CLIENT

CVG
CINCINNATI/NORTHERN KENTUCKY INTERNATIONAL AIRPORT

CUSTOMER OVERVIEW

The Cincinnati/Northern Kentucky International Airport (CVG) is located 20 minutes outside of downtown Cincinnati and served more than 7.8 million passengers in 2017. The airport offers more nonstop flights than any other airport in the tri-state area of Ohio, Kentucky and Indiana with service to 39 of the top 40 U.S. markets. CVG is recognized globally as a leading U.S. airport by SkyTrax World Airport Award, and has been serving commercial passengers since 1947.

THE PROBLEM

The indoor train was a common point of confusion for travelers at the Cincinnati/Northern Kentucky International Airport. Travelers didn't know if they should wait for the train, or walk to the terminal. Additionally, some passengers believed the train would take them into the city although it is only used for terminal-to-terminal transportation.
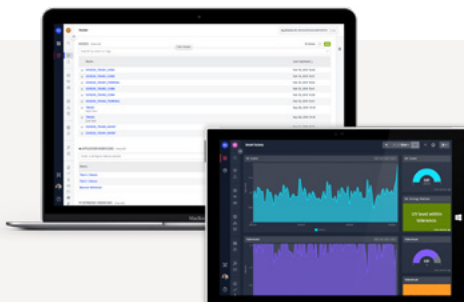
THE BRIEFING

"We didn't just jump in with both feet." Senior Manager of Terminal Operations Stephen Saunders said. The airport set up a proof of concept (POC) to determine whether or not the technology was capable of collecting data from the underground tunnel. A small set of Banner Q45 sensors were installed in the train tunnel to deliver information to the Losant Enterprise IoT Platform. Because connectivity is a critical part of getting the information from those sensors, the team also installed gateways in the airport to deliver information over its existing cellular network. After gaining information from the PoC, the airport worked with its facilities department to move into production.

THE RESULTS

Large monitors outside of each train boarding station feature a user-friendly dashboard with estimated walking time, and the real-time train location powered by data from IoT. Travelers are now informed about how to make the best decision.

THE NEXT OBJECTIVE

According to Stephen Saunders, Senior Manager of Terminal Operations, the airport will continue to innovate through pilot projects with startups and problem-solving technologies. The airport would like to continue to gather information about when people get to airports to better help TSA schedules and improve waiting times.

LOSANT ENTERPRISE IoT PLATFORM TEAM: WHAT WE BELIEVE

Losant is a progressive product team composed of software engineers, solutions engineers, and automation specialists. Together, we produce superior technology for enterprise IoT solutions. We believe in continuous improvement and work toward our vision of an ever-connected world. As we adapt to our changing environment and add features to our IoT cloud platform, we consider usability, flexibility, reliability, and security to promote ease of use for our customers.

CLIENT

CVG
CINCINNATI/NORTHERN KENTUCKY
INTERNATIONAL AIRPORT

INDUSTRY

TRANSPORTATION

THE SOLUTION

The Cincinnati/Northern Kentucky International Airport (CVG) wanted to improve the experience for the millions of passengers that use the airport every year. The airport implemented an IoT solution to provide its customers with real-time information about the location of its indoor terminal train.
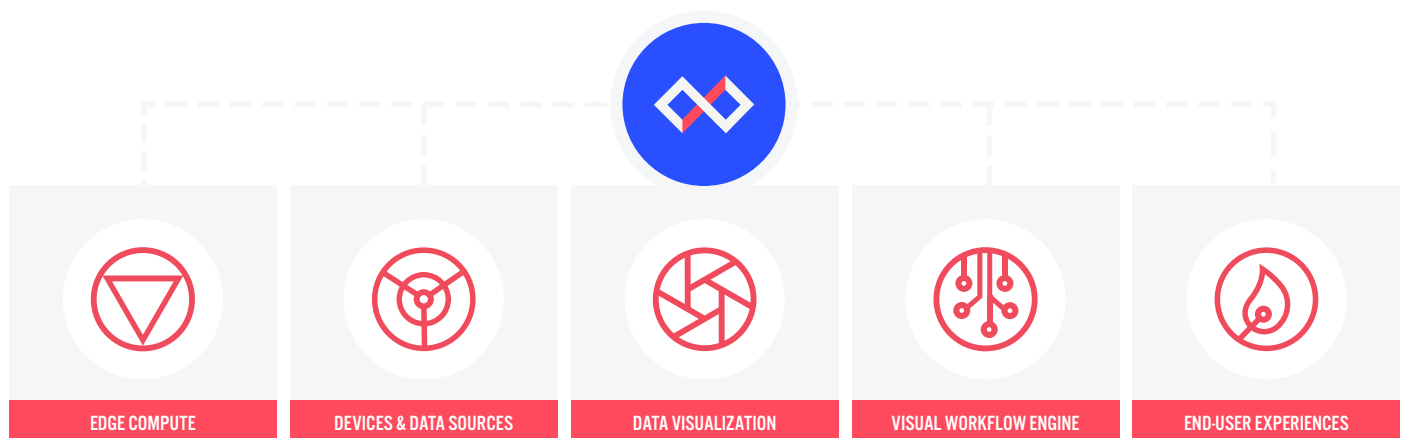
> *"Aviation is connecting people in ways we've never seen before … passenger traffic is way up and the airports aren't getting any bigger. We have to get smarter with what we have. … And we're trying to solve that with technology."*

STEPHEN SAUNDERS
SR MANAGER OF TERMINAL OPERATIONS

LOSANT PROVIDES THE TOOLS YOU NEED TO SUCCEED

Losant is an easy-to-use and powerful enterprise IoT platform designed to help teams quickly and securely build real-time connected IoT products and services for their customers. Losant uses open communication standards to provide connectivity from one to millions of devices and provides powerful data collection, aggregation, and visualization features to empower enterprise teams with new data insights. Edge features are integrated directly into the Losant IoT platform for seamless integration of connected and non-connected devices. Start independently or work with Losant's experienced solution engineers.

EDGE COMPUTE	DEVICES & DATA SOURCES	DATA VISUALIZATION	VISUAL WORKFLOW ENGINE	END-USER EXPERIENCES

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